

Docket No.: PF-0709 USN

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By: [Signature]

Printed: Lisa McDill

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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JAN 29 2004

In re Application of: Lal et al.

Title: HUMAN TRANSPORT PROTEINS

TECH CENTER 1600/2900

Serial No.: 10/009,328

Filing Date:

December 4, 2001

Examiner: Carlson, K.

Group Art Unit:

1653

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

DECLARATION UNDER 37 C.F.R. 1.131

Sir:

The purpose of this declaration is to establish conception combined with diligence in this application in the United States at a date prior to the earliest public availability date (September 9, 1998) of the following prior art reference cited by the Examiner: Goddard et al., Pre-grant Pub US 2002/0192752).

The undersigned, Henry Yue and Mariah R. Baughn declare and state that:

1. We are the co-inventors of the invention claimed in U.S. Ser. No. 10/009,328, filed in the United States Patent and Trademark Office on December 4, 2001.

2. The invention, claimed at least in pending claims 1-11, 13, 15-17, 19, 22, 26, 27 and 231 of the above-identified application, was conceived prior to September 9, 1998, in this country.

3. U.S. Ser. No. 10/009,328 claims the benefit under 35 U.S.C. § 119(e) of U.S. Provisional Application No. 60/139,923, filed June 17, 1999, U.S. Provisional Application No. 60/148,177, filed August 10, 1999, U.S. Provisional Application No. 60/149,357, filed August 18, 1999, and U.S. Provisional Application No. 60/162,287, filed October 28, 1999. The SEQ ID NO:41 and 84 sequences recited in the U.S. Ser. No. 10/009,328 application claims was first disclosed in the U.S. Provisional Application No. 60/162,287 application and listed as SEQ ID NO:16 and 35 in the U.S. Provisional Application No. 60/162,287 application.

4. The invention was diligently reduced to practice from the conception of the invention to the filing of the above-identified application.

5. Exhibit A provides a log of activities related to the computer-assisted assembly and analysis of Incyte Clone 4797137. The log shows computer file pathways, dates, and user names pertaining to the assembly of the sequence of Incyte Clone 4797137. Exhibit A shows the initial entry of Incyte Clone 4797137 by inventor Henry Yue on July 15, 1998. (Please note that in this and subsequent Exhibits, technical and other information not relevant to this Declaration have been blocked out.) As disclosed in the pending application on page 78 (Table 1), Incyte Clone 4797137 was used to generate the polynucleotide sequence of the claimed SEQ ID NO:84 and the polypeptide sequence of the claimed SEQ ID NO:41. These entries indicate that raw sequence data was created and processed on the dates of July 15, 1998 and July 18, 1998. It is standard business practice at Incyte for a clone of interest to be placed into a sequencing queue. Once sequence data is generated (e.g., in the form of chromatograms), the clone is placed into an "update" queue to await editing and assembly of the sequence data.

6. Exhibit B describes the entries of codes shown in Exhibit A. Therefore, Exhibits A and B show that conception of the present invention occurred prior to September 9, 1998. Following conception, the claimed invention was diligently reduced to practice, as detailed below.

7. Exhibit C provides a log of activities related to the computer-assisted assembly and analysis of Incyte Clone 4797137. These entries indicate that sequence data was processed, edited, and assembled on the dates of April 4, 1999, May 28, 1999, August 2, 1999, August 24, 1999, October 20, 1999.

8. Exhibit D shows a BLASTX analysis of the completed full-length sequence (4797137CT1), performed August 2, 1999. This demonstrates that the both the full length polynucleotide of SEQ ID NO:84 and the encoded polypeptide sequence of SEQ ID NO:41 were obtained by August 2, 1999. This exhibit, as well as Exhibit E, also shows the claimed sequence as having strong similarity with myelin protein zero. It is standard business practice at Incyte that completed sequences are accumulated and then submitted to Incyte's legal department for patenting.

9. Exhibit E shows a FASTX analysis of the completed full-length sequence (4797137CT1), performed August 2, 1999. FASTX compares a DNA sequence to a protein sequence database.

10. Exhibit F provides a log of activities related to Attorney Docket Number PF-0748 P, *i.e.*, U.S. Provisional Application No. 60/162,287. Incyte Clone 4797137 is filed in PF-0748 P. The log shows that the application was created, processed and edited, and filed on the dates of August 8, 1999, October 15, 1999, October 22, 1999, October 26, 1999, October 27, 1999 and October 28, 1999. It is standard practice at Incyte that assignment of a docket number occurs concurrently with drafting and preparation of the application.

11. Exhibit G is a copy of a docket profile, created October 8, 1999 and last edited October 22, 1999, documenting the assignment of a docket number to the above-identified application in anticipation of filing.

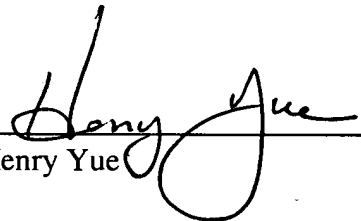
12. Exhibit H is a copy of the Official Filing Receipt indicating that U.S. Provisional Application No. 60/162,287, was filed with the U.S.P.T.O. on October 28, 1999.

13. Exhibit I is a copy of the Official Filing Receipt indicating that U.S. Ser. No. 10/009,328 was filed with the U.S.P.T.O. on December 4, 2000 and claims the benefit under 35 U.S.C. § 119(e) of U.S. Provisional Application No. 60/162,287, filed October 28, 1999.

14. The above Exhibits demonstrate conception of the present invention prior to the critical date of September 9, 1998. Additionally, the above Exhibits show diligence in reducing the present invention to practice from prior to September 9, 1998, until the filing date of the above-identified application, i.e., the constructive reduction to practice on October 28, 1999.

12. The undersigned further declare that all statements made herein of their own knowledge are true, and that all statements made on information and belief are believed to be true, and that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine, imprisonment, and/or both under Section 1001 of Title 18 of the United States Code, and that such willful false statement may jeopardize the validity of any application or patent issued thereon.

Date: Nov 15, 2003


Henry Yue

Date: _____

Mariah R. Baughn



Docket No.: PF-0709 USN

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6. Exhibit B describes the entries of codes shown in Exhibit A. Therefore, Exhibits A and B show that conception of the present invention occurred prior to September 9, 1998. Following conception, the claimed invention was diligently reduced to practice, as detailed below.

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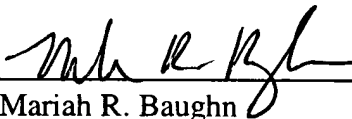
14. The above Exhibits demonstrate conception of the present invention prior to the critical date of September 9, 1998. Additionally, the above Exhibits show diligence in reducing the present invention to practice from prior to September 9, 1998, until the filing date of the above-identified application, i.e., the constructive reduction to practice on October 28, 1999.

12. The undersigned further declare that all statements made herein of their own knowledge are true, and that all statements made on information and belief are believed to be true, and that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine, imprisonment, and/or both under Section 1001 of Title 18 of the United States Code, and that such willful false statement may jeopardize the validity of any application or patent issued thereon.

Date: _____

Henry Yue

Date: 11/15/2003



Mariah R. Baughn

4797137 - fl_seed_proj_1 on: Wed Jul 15 12:42:21 PDT 1998 By: hyue
4797137 - fl_update_CT_1 on: Sat Jul 18 07:49:10 PDT 1998 By: hyue
4797137 - fl_update_status_1 on: Sat Jul 18 07:50:57 PDT 1998 By: hyue

EXHIBIT A

Docket No.: PF-0709 USN
USSN: 10/009,328

EXHIBIT B

Docket No.: PF-0709 USN
USSN: 10/009,328

- 1) fl_seed_proj_1 seeds (creates) an FL project directory from a single est sequence
- 2) fl_update_CT_1 updates the information files and the sequence files in the project
- 3) fl_update_status_1 updates the project status based on its level of completeness

4797137 - fl_update_CT_1 on: Sun Apr 4 08:06:00 PDT 1999 By: hyue
4797137 - fl_update_status_1 on: Sun Apr 4 08:07:39 PDT 1999 By: hyue
4797137 - fl_update_status_1 on: Sun Apr 4 08:08:36 PDT 1999 By: hyue
4797137 - fl_update_CT_1 on: Fri May 28 14:59:00 PDT 1999 By: hyue
4797137 - fl_update_status_1 on: Fri May 28 15:02:48 PDT 1999 By: hyue
4797137 - fl_update_status_1 on: Fri May 28 15:04:13 PDT 1999 By: hyue
4797137 is edited on: Mon Aug 2 00:00:00 PDT 1999 By: mbaughn
4797137 - fl_patent_ready on: Tue Aug 24 02:24:28 PDT 1999 By: mbaughn
4797137 - fl_reagent_1 on: Wed Oct 20 17:54:02 PDT 1999 By: ahe
4797137 - fl_reagent_1 on: Wed Oct 20 17:54:17 PDT 1999 By: ahe

4797137 is edited on: /08/02/99/ By: Mariah Baughn (mbaughn)

BLASTX 2.0a19MP-WashU [05-Feb-1998] [Build decunix4.0-a21164 01:45:58 05-Feb-1998]

Reference: Gish, Warren (1994-1997). unpublished.

Gish, Warren and David J. States (1993). Identification of protein coding regions by database similarity search. Nat. Genet. 3:266-72.

Notice: statistical significance is estimated under the assumption that the equivalent of one entire reading frame in the query sequence codes for protein and that significant alignments will involve only coding reading frames.

Query= 4797137CT1 Contig2
(970 letters)

Translating both strands of query sequence in all 6 reading frames

Database: genpept1

10 sequences; 2389 total letters.

Searching....10....20....30....40....50....60....70....80....90....100% done

Sequences producing High-scoring Segment Pairs:	Reading Frame	High Score	Smallest Sum Probability	
			P(N)	N
g2160399 MPZ [Homo sapiens]	+3	268	5.6e-23	1
g469517 myelin protein zero [Homo sapiens]	+3	268	5.7e-23	1
g220074 major structural protein of myelin [Homo sapi...]	+3	268	5.8e-23	1
g529405 myelin protein zero [Homo sapiens]	+3	268	5.8e-23	1
g200174 myelin [Mus musculus]	+3	262	2.5e-22	1

WARNING: Descriptions of 5 database sequences were not reported due to the limiting value of parameter V = 5.

>g2160399 MPZ [Homo sapiens]
Length = 258

Plus Strand HSPs:

Score = 268 (94.3 bits), Expect = 5.6e-23, P = 5.6e-23

Identities = 70/192 (36%), Positives = 101/192 (52%), Frame = +3

Query: 18 AAGSRGCALFPLLGLVLFQGVYI--VFSLEIRADAHVRGYVGEKIKLKCTFKSTSDVTDK 191
A G+ + P+L VL F + + ++ + D V G VG ++ L C+F S+ V+D
Sbjct: 12 APGAPSSSPSPILAVLLFSSLVLSPAQAIVVYTDREVGAVGSRVTLHCSFWSSEWVSDD 71

Query: 192 LTIDWTYRPPSSSHTVSIFHYQS FQ-YPTTAGTFRDRISWVGNVYKGDASISISNPTIKD 368
++ W-Y+P +SIFHY Q Y GTF++RI WVG+ D SI I N D
Sbjct: 72 ISFTWRYQPEGGRDAISIFHYAKGPYIDEVGT FKERIQWVGDRWKDGSIVIHNLDYSD 131

Query: 369 NGTFSCAVKNPPDVHHNIPMTELT VTERGFGTMLSSVALLSILVFPVSAVVVALLL---V 539
NGTF+C VKNPPD+ L V E+ T V L +++ V V++ LLL V

Sbjct: 132 NGTFTCDVKNPDPDIVGKTSQVTLYVFEEK-VPTRYG-VVLGAVIGGVLGVVLLLLLLLLFYV 189

Query: 540 RMG--RKAAGLKRR 575
R R+ A L++R

Sbjct: 190 RYCWLRRQAALQRR 203

>g469517 myelin protein zero [Homo sapiens]
Length = 251

Plus Strand HSPs:

Score = 268 (94.3 bits), Expect = 5.7e-23, P = 5.7e-23
Identities = 70/192 (36%), Positives = 101/192 (52%), Frame = +3

Query: 18 AAGSRGCALFPLLGLVFFQGVYI--VFSLEIRADAHVRGYVGEKIKLKCTFKSTSDVTDK 191
A G+ + P+L VL F + + ++ + D V G VG ++ L C+F S+ V+D

Sbjct: 2 APGAPSSSPSPILAVLLFSSLVLSPAQAIVVYTDREVHGAVGSRVTLHCSFWSSEWVSDD 61

Query: 192 LTIDWTYRPPSSSHTVSIFHYQSFO-YPTTAGTFRDRISWVGNVYKGDASISISNPTIKD 368
++ W Y+P +SIFHY Q Y GTF++RI WVG+ D SI I N D

Sbjct: 62 ISFTWRYQPEGGRDAISIFHYAKGPYIDEVGTFKERIQWVGDPRWKDGSIIVHNLDYSD 121

Query: 369 NGTFSCAVKNPPDVHHNIPMTELTVTERGFGTMLSSVALLSILVFVPSAVVVALLL---V 539
NGTF+C VKNPPD+ L V E+ T V L +++ V V++ LLL V

Sbjct: 122 NGTFTCDVKNPDPDIVGKTSQVTLYVFEEK-VPTRYG-VVLGAVIGGVLGVVLLLLLLLLFYV 179

Query: 540 RMG--RKAAGLKRR 575
R R+ A L++R

Sbjct: 180 RYCWLRRQAALQRR 193

>g220074 major structural protein of myelin [Homo sapiens]
Length = 248

Plus Strand HSPs:

Score = 268 (94.3 bits), Expect = 5.8e-23, P = 5.8e-23
Identities = 70/192 (36%), Positives = 101/192 (52%), Frame = +3

Query: 18 AAGSRGCALFPLLGLVFFQGVYI--VFSLEIRADAHVRGYVGEKIKLKCTFKSTSDVTDK 191
A G+ + P+L VL F + + ++ + D V G VG ++ L C+F S+ V+D

Sbjct: 2 APGAPSSSPSPILAVLLFSSLVLSPAQAIVVYTDREVHGAVGSRVTLHCSFWSSEWVSDD 61

Query: 192 LTIDWTYRPPSSSHTVSIFHYQSFO-YPTTAGTFRDRISWVGNVYKGDASISISNPTIKD 368
++ W Y+P +SIFHY Q Y GTF++RI WVG+ D SI I N D

Sbjct: 62 ISFTWRYQPEGGRDAISIFHYAKGPYIDEVGTFKERIQWVGDPRWKDGSIIVHNLDYSD 121

Query: 369 NGTFSCAVKNPPDVHHNIPMTELTVTERGFGTMLSSVALLSILVFVPSAVVVALLL---V 539
NGTF+C VKNPPD+ L V E+ T V L +++ V V++ LLL V

Sbjct: 122 NGTFTCDVKNPDPDIVGKTSQVTLYVFEEK-VPTRYG-VVLGAVIGGVLGVVLLLLLLLLFYV 179

Query: 540 RMG--RKAAGLKRR 575
R R+ A L++R

Sbjct: 180 RYCWLRRQAALQRR 193

>g529405 myelin protein zero [Homo sapiens]
Length = 248

Plus Strand HSPs:

Score = 268 (94.3 bits), Expect = 5.8e-23, P = 5.8e-23
Identities = 70/192 (36%), Positives = 101/192 (52%), Frame = +3

```
Query:   18 AAGSRGCALFPLLGLVFFQGVYI--VFSLEIRADAHVRGYVGEKIKLKCTFKSTSDVTDK 191
          A G+   +  P+L VL F   + +   ++ +  D  V G VG ++ L C+F S+  V+D
Sbjct:   2 APGAPSSSPSPILAVLLFSSSLVLSPAQAIVVYTDREVHGA VGSRVTLHCSFWSSEWVSDD 61

Query:  192 LTIDWTYRPPSSSHTVSIFHYQS FQ-YPTTAGTFRDRISWVGNVYKGDASISISNPTIKD 368
          ++  W Y+P      +SIFHY  Q Y   GTF++RI WVG+   D SI I N   D
Sbjct:  62 ISFTWRYQPEGGRDAISIFHYAKGQPYIDEVGT FKERIQWVGDPRWKDGSI VIHNLDYSD 121

Query:  369 NGTFSCAVKNPPDVHHNIPMTELT VTERGFGTMLSSVALLSILVFVPSAVVVALLL---V 539
          NGTF+C VKNPPD+      L V E+   T   V L +++  V   V++ LLL   V
Sbjct:  122 NGTFTCDVKNPPDIVGKTSQVTLYVFEK-V PTRYG-VVLGAVIGGVLGVVLLLLLLLFYVV 179

Query:  540 RMG--RKAAGLKKR 575
          R      R+ A L++R
Sbjct:  180 RYCWLRRQAALQRR 193
```

>g200174 myelin [Mus musculus]
Length = 248

Plus Strand HSPs:

Score = 262 (92.2 bits), Expect = 2.5e-22, P = 2.5e-22
Identities = 67/209 (32%), Positives = 107/209 (51%), Frame = +3

```
Query:   18 AAGSRGCALFPLLGLVFFQGVYI--VFSLEIRADAHVRGYVGEKIKLKCTFKSTSDVTDK 191
          A G+   +  P+L  L F   + +   ++ +  D  + G VG ++ L C+F S+  V+D
Sbjct:   2 APGAPSSSPSPILAALLFSSSLVLSPALAIVVYTDREIYGAVGSQVTLHCSFWSSEWVSDD 61

Query:  192 LTIDWTYRPPSSSHTVSIFHYQS FQ-YPTTAGTFRDRISWVGNVYKGDASISISNPTIKD 368
          ++  W Y+P      +SIFHY  Q Y   G F++RI WVG+   D SI I N   D
Sbjct:  62 ISFTWRYQPEGGRDAISIFHYAKGQPYIDEVGAFKERIQWVGDPRWKDGSI VIHNLDYSD 121

Query:  369 NGTFSCAVKNPPDVHHNIPMTELT VTER---GFGTMLSSVALLSILVFVPSAVVVALLLV 539
          NGTF+C VKNPPD+      L V E+   +G +L +V   +  ++ V   +++  L+
Sbjct:  122 NGTFTCDVKNPPDIVGKTSQVTLYVFEKVPTRYGVVLGAV--IGGILGVVLLLLLLLFYLI 179

Query:  540 RMG--RKAAGLKKR----SRSGYKKSSIEVS 614
          R      R+ A L++R      +  + KSS + S
Sbjct:  180 RYCWLRRQAALQRRLSAMEKGRFHKSSKDSS 210
```

WARNING: HSPs involving 5 database sequences were not reported due to the limiting value of parameter B = 5.

Parameters:

S=80
B=5
V=5
Z=30000000

ctxfactor=5.99
E=7.67461

Query			As Used			Computed		
Frame	MatID	Matrix name	Lambda	K	H	Lambda	K	H
Std.	0	BLOSUM62				0.318	0.135	0.401
+3	0	BLOSUM62	0.318	0.135	0.401	0.327	0.139	0.435
		Q=9,R=2	0.244	0.0300	0.180	n/a	n/a	n/a
+2	0	BLOSUM62	0.318	0.135	0.401	0.345	0.154	0.594
		Q=9,R=2	0.244	0.0300	0.180	n/a	n/a	n/a
+1	0	BLOSUM62	0.318	0.135	0.401	0.353	0.153	0.551
		Q=9,R=2	0.244	0.0300	0.180	n/a	n/a	n/a
-1	0	BLOSUM62	0.318	0.135	0.401	0.342	0.147	0.490
		Q=9,R=2	0.244	0.0300	0.180	n/a	n/a	n/a
-2	0	BLOSUM62	0.318	0.135	0.401	0.343	0.149	0.539
		Q=9,R=2	0.244	0.0300	0.180	n/a	n/a	n/a
-3	0	BLOSUM62	0.318	0.135	0.401	0.347	0.152	0.520
		Q=9,R=2	0.244	0.0300	0.180	n/a	n/a	n/a

Query			Eff.Length			E			S			T			X			E2			S2		
Frame	MatID	Length	Eff.Length			E			S			T			X			E2			S2		
+3	0	322	322			1.3	80	3	12	22	0.11	36						0.11	36				
																		0.10	40				
+2	0	323	323			1.3	80	3	12	22	0.11	36						0.11	36				
																		0.10	40				
+1	0	323	323			1.3	80	3	12	22	0.11	36						0.11	36				
																		0.10	40				
-1	0	323	323			1.3	80	3	12	22	0.11	36						0.11	36				
																		0.10	40				
-2	0	323	323			1.3	80	3	12	22	0.11	36						0.11	36				
																		0.10	40				
-3	0	322	322			1.3	80	3	12	22	0.11	36						0.11	36				
																		0.10	40				

Statistics:

Database: ./genpept1
 Title: genpept1
 Release date: unknown
 Posted date: 4:55 PM PDT Aug 2, 1999
 Format: BLAST
 # of letters in database: 2389 (Z = 30000000)
 # of sequences in database: 10
 # of database sequences satisfying E: 10
 No. of states in DFA: 596 (117 KB)
 Total size of DFA: 678 KB (704 KB)
 Time to generate neighborhood: 0.01u 0.00s 0.01t Elapsed: 00:00:00
 No. of threads or processors used: 10
 Search cpu time: 0.08u 0.18s 0.26t Elapsed: 00:00:00
 Total cpu time: 0.15u 0.31s 0.46t Elapsed: 00:00:00

Start: Mon Aug 2 16:55:38 1999 End: Mon Aug 2 16:55:38 1999

WARNINGS ISSUED: 2

EXHIBIT E

Docket No.: PF-0709 USN
 USSN: 10/009,328

4797137 is edited on: /08/02/99/ By: Mariah Baughn (mbaughn)

FASTX compares a DNA sequence to a protein sequence data bank
 version 3.0t82 November 1, 1997

Please cite:

W.R. Pearson & D.J. Lipman PNAS (1988) 85:2444-2448

4797137.rep.28534: 970 aa

>4797137CT1 Contig2

vs g2160399 library

searching g2160399 library

258 residues in 1 sequences

FASTX (3.08 July, 1997) function (optimized, BL50 matrix) ktup: 2
 join: 39, opt: 27, gap-pen: -15/ -3 shift: -30, width: 16 reg.-scaled

Scan time: 0.016

The best scores are:

g2160399 MPZ [Homo sapiens] (258) 175 175 347

>>g2160399 MPZ [Homo sapiens]

(258 aa)

initn: 175 init1: 175 opt: 347

Smith-Waterman score: 347; 33.333% identity in 192 aa overlap

	26	56	86	116	146	176
479713	AAGSRGCALFPLLGLVFFQGVYI--VFSLEIRADAHVRGYVGEKIKLKCTFKSTSDVTDK					
	: : : : : :					
g21603	APGAPSSSPSPILAVLLFSSLVLSPAQAIVVYTDREVHGA VGSRVTLHCSFWSSEWVSDD					
	20	30	40	50	60	70

	206	236	266	296	326	356
479713	LTIDWTYRPPSSSHTVSIFHYQS FQ-YPTTAGTFRDRISWGVN VYKGDASISISNPTIKD					
	. . . : . . . : . . . : . . . : . . . : . . . : . . . : . . . : . . .					
g21603	ISFTWRYQPEGGRDAISIFHYAKGQPYIDEVGT FKERIQWVGDP RWKDGSI VIHNL DYSD					
	80	90	100	110	120	130

	386	416	446	476	506	536
479713	NGTFSCAVKNPPDVH H NIPMTELT VTER---GFGTMLSSVALLSILVFVPSAVVVALLLV					
	: : : : : :					
g21603	NGTFTCDVKNPPDIVGKTSQVTLYVFEKVPTRYGVVLGAVIGGVLGVVLLLLLLLFYVVRY					
	140	150	160	170	180	190

566

479713 RMGRKAAGLKKR

: . :

g21603 CWLRRQAALQRR

200

970 residues in 1 query sequences

258 residues in 1 library sequences

Tcomplib (4 proc)[version 3.0t82 November 1, 1997]

start: Mon Aug 2 16:55:39 1999 done: Mon Aug 2 16:55:39 1999

Scan time: 0.016 Display time: 0.067

Function used was FASTX

Docket No.: PF-0709 USN
USSN: 10/009,328

Docket No.: PF-0709 USN
USSN: 10/009,328

Edit Date	Document Name	Application	Author Name
10/28/99	PF-0748 P (sequence listing w/format)	WORDPERFECT	
10/28/99	PF-0748 P PROV PAT APP PC	WORDPERFECT	
10/27/99	PF-0748 P PROV PAT APP TRANS	WORDPERFECT	
10/27/99	PF-0748 P SEQ STATEMENT	WORDPERFECT	
10/26/99	PF-0748P/TABLE2	WORDPERFECT	
10/26/99	PF-0748P/TABLE4	WORDPERFECT	
10/22/99	PF-0748P/TABLE3	WORDPERFECT	
10/22/99	PF-0748 P - Request for New docket no. form	WORDPERFECT	
10/22/99	PF-0748P Transport Proteins	WORDPERFECT	
10/15/99	PF-0748P/TABLE1	WORDPERFECT	
10/8/99	PF-0748 P - Clone #s and Libraries	WORDPERFECT	

Incyte Genomics Document Profile	
Docket Number	PF-0748 P ... TRANSPORT PROTEINS
Product	Full Length ...
Name	PF ...
Document Name	PF-0748P Transport Proteins Doc# 48164
Application	WORDPERFECT ... WordPerfect
Author	SRECIPON ... Shirley Recipon
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**PROVISIONAL APPLICATION
FILING RECEIPT** **Cyclo Pharmaceuticals, Inc.**
Patent Department
March 1988

NOV 23 1999



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTORNEY DOCKET NO.	DRWGS	TOT CL	IND CL
60/162,287	10/28/99		\$150.00	PF-0748-P	0		

INCYTE PHARMACEUTICALS INC
PATENT DEPARTMENT
3174 PORTER DRIVE
PALO ALTO CA 94304

EXHIBIT H

Docket No.: PF-0709 USN
USSN: 10/009,328

Receipt is acknowledged of this Provisional Application. This Provisional Application will not be examined for patentability. Be sure to provide the PROVISIONAL APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Provisional Application Filing Receipt with the changes noted thereon, if you received a "Notice to File Missing Parts of Application" ("Missing Parts Notice") in this application, please submit any corrections to this Filing Receipt with your reply to the "Missing Parts Notice." When the PTO processes the reply to the "Missing Parts Notice," the PTO will generate another Filing Receipt incorporating the requested corrections (if appropriate). This Provisional Application will automatically be abandoned twelve (12) months after its filing date and will not be subject to revival to restore it to pending status beyond a date which is after twelve (12) months from its filing date.

Applicant(s) JENNIFER L. HILLMAN, MOUNTAIN VIEW, CA; Y. TOM TANG, SAN JOSE, CA; NEIL BURFORD, SAN FRANCISCO, CA; HENRY YUE, SUNNYVALE, CA; PREETI LAL, SANTA CLARA, CA; CHANDRA PATTERSON, MENLO PARK, CA; MARIAH R. BAUGHN, SAN LEANDRO, CA; DYUNG AINA M. LU, SAN JOSE, CA.

IF REQUIRED, FOREIGN FILING LICENSE GRANTED 11/17/99
TITLE
TRANSPORT PROTEINS

DATA ENTRY BY: TWIITY, MARSHA

TEAM: 05 DATE: 11/17/99

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1

(See reverse for new important information)



UNITED STATES
PATENT AND
TRADEMARK OFFICE

Incyte Genomics Inc.
Patent Department
Received

OCT - 8 2002

EXHIBIT I

Docket No.: PF-0709 USN
USSN: 10/009,328

Commissioner for Patents
Washington, DC 20231
www.uspto.gov

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO.	DRAWINGS	TOT CLAIMS	IND CLAIMS
10/009,328	12/04/2001	1645	710	PF-0709 USN		19	2

CONFIRMATION NO. 6996

Incyte Genomics Inc
Legal Department
3160 Porter Drive
Palo Alto, CA 95304

FILING RECEIPT



OC00000008883650

Date Mailed: 10/02/2002

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

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Domestic Priority data as claimed by applicant

This application is a 371 of PCT/US00/16668 06/16/2000
which claims benefit of 60/139,923 06/17/1999
and claims benefit of 60/148,177 08/10/1999
and claims benefit of 60/149,357 08/18/1999
and claims benefit of 60/162,287 10/28/1999

Foreign Applications

Projected Publication Date: None, application is not eligible for pre-grant publication